

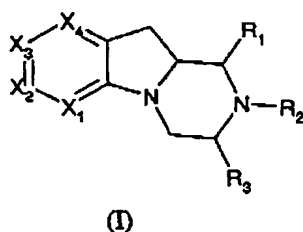
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

What is claimed is:

1. (Currently amended) A chemical compound of formula (I):



wherein:

R₁ to R₃ are independently selected from hydrogen and lower alkyl;

X₁ is ~~selected from N and C-R₄~~;

X₂ is ~~selected from N and C-R₅~~;

X₃ is ~~selected from N and C-R₆~~;

X₄ is ~~selected from N and C-R₇~~

R₄, R₅ and R₇ are independently selected from hydrogen, halogen, hydroxy, alkyl, haloalkyl, aryl, alkoxy, aryloxy, alkoyl, aryloyl, alkylthio, arylthio, alkylsulfoxyl, arylsulfoxyl, alkylsulfonyl, arylsulfonyl, amino, alkylamino, dialkylamino, nitro, cyano, carboalkoxy, carboaryloxy and carboxy; and

R₆ is selected from hydrogen, halogen, alkyl, haloalkyl, aryl, aryloxy, alkylthio, arylthio, alkylsulfoxyl, arylsulfoxyl, alkylsulfonyl, arylsulfonyl, amino, alkylamino, dialkylamino and cyano;

wherein either at least one of R₅ and R₆ is selected from chlorine, fluorine, haloalkyl and bromine, or R₅ is selected from halogen, haloalkyl and alkylthio, and a pharmaceutically acceptable salt ~~salts and addition compounds~~ thereof.

2. (Original) A compound according to claim 1 wherein R₁ is selected from hydrogen and methyl.
3. (Original) A compound according to claim 1 wherein R₂ is hydrogen.
4. (Original) A compound according to claim 1 wherein R₃ is selected from hydrogen and methyl.
- 5 – 8. (Canceled)
9. (Original) A compound according to claim 1 wherein two of R₄, R₅, R₆ and R₇ are hydrogen.
10. (Original) A compound according to claim 9 wherein R₄ and R₆ are hydrogen.
11. (Original) A compound according to claim 1 wherein two of R₄, R₅, R₆ and R₇ are independently selected from hydrogen, chlorine, fluorine, trifluoromethyl and bromine.
12. (Original) A compound according to claim 1 wherein three of R₄, R₅, R₆ and R₇ are hydrogen.
13. (Original) A compound according to claim 1 wherein R₄, R₆ and R₇ are hydrogen.
14. (Original) A compound according to claim 1 wherein R₄ is hydrogen.
15. (Original) A compound according to claim 1 wherein R₅ is halogen.
16. (Original) A compound according to claim 1 wherein R₆ is hydrogen.
17. (Original) A compound according to claim 1 wherein R₇ is halogen.
18. (Original) A compound according to claim 1 which is selected from:
(*RS*) 7-chloro-1,2,3,4,10,10a-hexahydropyrazino[1,2-*a*]indole,
(*RS*) 7-chloro-8-methyl-1,2,3,4,10,10a-hexahydropyrazino[1,2-*a*]indole,
(10a*R*) 7-chloro-1,2,3,4,10,10a-hexahydropyrazino[1,2-*a*]indole,
(*RS*) 7-bromo-1,2,3,4,10,10a-hexahydropyrazino[1,2-*a*]indole,
(3*S*, 10a*R*) 8-chloro-2-methyl-1,2,3,4,10,10a-hexahydropyrazino[1,2-*a*]indole,
(10a*R*) 8-chloro-1,2,3,4,10,10a-hexahydropyrazino[1,2-*a*]indole, and
(3*S*, 10a*R*) 8-chloro-2-methyl-1,2,3,4,10,10a-hexahydropyrazino[1,2-*a*]indole.